

國際道路協會(International Road Federation、IRF)
徵稿資料彙整

一、 活動名稱：9th IRF Global R2T Conference & Exhibition：
Transforming the Future of Mobility。

二、 9 個徵稿主題及次主題

(一) 資產管理與路面養護(Asset Management & Pavement Preservation)

1. Emerging Trends in Road and Bridge Construction
2. Innovations in Materials and Technologies for Durable, Cost-Effective Pavements
3. AI & Automation in Predictive Maintenance and Infrastructure Monitoring

(二) 智慧運輸(ITS & Smart Mobility Technologies)

1. Advanced Traffic Management with AI and Real-Time Data
2. Connected and Autonomous Vehicles (CAV) Deployment
3. Vehicle-to-Infrastructure (V2I) and Vehicle-to-Vehicle (V2V) Systems

(三) 自動駕駛汽車基礎設施(Preparing Infrastructure for Autonomous & Automated Vehicles)

1. Infrastructure Design for CAV Integration
2. Automation in Construction and Maintenance Operations

(四) 路邊安全和具彈性的基礎建設(Dedicated Roadside Safety & Forgiving Infrastructure)

1. Advanced Roadside Barrier Systems (Rigid, Semi-Rigid, Cable, and Energy-Absorbing)
2. Crashworthy End Terminals and Transition Designs
3. Clear Zone Management and Hazard Removal Strategies
4. Forgiving Roadside Design Principles

5. High-Friction Surface Treatments (HFST) for Curves and Intersections
 6. Roadside Sign Supports, Lighting, and Delineation Innovations
 7. Proven Safety Countermeasures for Run-Off-Road Crashes
- (五) 零死亡道安及卓越的交通安全(Vision Zero & Road Safety Excellence)
1. AI-Driven Safety Enhancements and Risk Prediction
 2. Advanced Barrier Systems and High-Friction Treatments
 3. Protecting Vulnerable Road Users with Intelligent Technologies
 4. Workzone Safety Through Automation
- (六) 交通領域的人工智慧、自動化與大數據(AI, Automation & Big Data in Transportation)
1. Machine Learning for Traffic Optimization and Congestion Reduction
 2. Automated Systems for Design, Construction, and Operations
 3. Data-Driven Decision Making for Infrastructure Efficiency
- (七) 韌性與高效的基礎建設 (Resilient & Efficient Infrastructure)
1. Building Weather-Resilient and Disaster-Ready Roads
 2. Strategies for Supply Chain Efficiency and Freight Optimization
 3. Innovative Materials and Accelerated Construction Techniques

(八) 貨運、物流與經濟成長新趨勢(Freight Transport, Logistics & Economic Growth)

1. Technologies to Reduce Network Damage and Improve Freight Flow
2. Automation in Logistics and Port-to-Road Connectivity

(九) 新興移動與法規創新(New Mobility & Regulatory Innovation)

1. Streamlining Project Delivery Through Regulatory Reform
2. Public-Private Partnerships for Faster Infrastructure Deployment
3. Integrating Roads with Multimodal Networks
4. AI and Data-Driven Multimodal Optimization
5. Sustainable New Mobility Solutions
6. Connected and Automated Multimodal Transport

三、 重要期程：

- (一) 2026 年 4 月 15 日(三)：摘要提交(Abstract Deadline)。
- (二) 2026 年 5 月 5 日(二)：摘要評審通過通知(Abstract Acceptance Notification)。
- (三) 2026 年 8 月 5 日(三)：完整論文提交(Paper Submission Deadline)。
- (四) 2026 年 9 月 30 日(三)：論文審查通過通知(Paper Acceptance Notification)。
- (五) 2026 年 11 月 3 日(二)~6 日(五)：美國加州舊金山市(San Francisco, CA)論文發表。

四、 徵稿方式

- (一) 摘要截止時間：2026 年 4 月 15 日(三)前以英文撰寫至多 250 字。



(二) 徵稿網址：<https://reurl.cc/0mo421>

五、 資料來源

<https://www.irf.global/event/r2t26-sanfrancisco/>